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PTO/SB/05 (03-01)

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| <b>UTILITY<br/>PATENT APPLICATION<br/>TRANSMITTAL</b><br><small>(Only for new nonprovisional applications under 37 CFR 1.53(b))</small> |  | <b>Attorney Docket No.</b> 8733.890.00                               |  |
|   |  | <b>First Inventor</b> Jong Jin PARK et al.                           |  |
|   |  | <b>Title</b> METHOD AND APPARATUS FOR DRIVING LIQUID CRYSTAL DISPLAY |  |
|   |  | <b>Express Mail Label No.</b>  |  |

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| <b>APPLICATION ELEMENTS</b><br><small>See MPEP chapter 600 concerning utility patent application contents.</small> | <b>ADDRESS</b><br>Mail Stop Assignment Recordation Services<br>Commissioner for Patents<br>P.O. Box 1450<br>Alexandria, VA 22313-1450 |
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| 1. <input checked="" type="checkbox"/> Fee Transmittal Form (e.g., PTO/SB/17)<br><small>(Submit an original, and a duplicate for fee processing)</small><br>2. <input type="checkbox"/> Applicant claims small entity status.<br><small>See 37 CFR 1.27.</small><br>3. <input checked="" type="checkbox"/> Specification <span style="float: right;">[Total Pages <b>34</b>]</span><br><small>(preferred arrangement set forth below)</small> <ul style="list-style-type: none"> <li>- Descriptive title of the invention</li> <li>- Cross Reference to Related Applications</li> <li>- Statement Regarding Fed sponsored R &amp; D</li> <li>- Reference to sequence listing, a table, or a computer program listing appendix</li> <li>- Background of the Invention</li> <li>- Brief Summary of the Invention</li> <li>- Brief Description of the Drawings (if filed)</li> <li>- Detailed Description</li> <li>- Claim(s)</li> <li>- Abstract of the Disclosure</li> </ul> 4. <input checked="" type="checkbox"/> Drawing(s) (35 U.S.C. 113) <span style="float: right;">[Total Sheets <b>15</b>]</span><br>5. Oath or Declaration <span style="float: right;">[Total Pages <b>3</b>]</span> <ul style="list-style-type: none"> <li>a. <input checked="" type="checkbox"/> Newly executed (original or copy)</li> <li>b. <input type="checkbox"/> Copy from a prior application (37 CFR 1.63(d))<br/> <small>(for continuation/divisional with Box 18 completed)</small> <ul style="list-style-type: none"> <li>i. <input type="checkbox"/> <b>DELETION OF INVENTOR(S)</b><br/>           Signed statement attached deleting inventor(s) named in the prior application, see 37 CFR 1.63(d)(2) and 1.33(b).</li> </ul> </li> </ul> 6. <input type="checkbox"/> Application Data Sheet. See 37 CFR 1.76 | 7. <input type="checkbox"/> CD-ROM or CD-R in duplicate, large table or Computer Program (Appendix)<br>8. <input type="checkbox"/> Nucleotide and/or Amino Acid Sequence Submission (if applicable, all necessary)<br>a. <input type="checkbox"/> Computer Readable Form (CRF)<br>b. Specification Sequence Listing on:<br>i. <input type="checkbox"/> CD-ROM or CD-R (2 copies); or   ii. <input type="checkbox"/> paper<br>c. <input type="checkbox"/> Statements verifying identity of above copies |
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| <b>ACCOMPANYING APPLICATIONS PARTS</b>   |  |
| 9. <input checked="" type="checkbox"/> Assignment Papers (cover sheet & document(s))<br>10. <input type="checkbox"/> 37 CFR 3.73(b) Statement <input type="checkbox"/> Power of Attorney<br><small>(when there is an assignee)</small><br>11. <input type="checkbox"/> English Translation Document (if applicable)<br>12. <input type="checkbox"/> Information Disclosure Statement (IDS)/PTO-1449 <input type="checkbox"/> Copies of IDS Citations<br>13. <input type="checkbox"/> Preliminary Amendment<br>14. <input checked="" type="checkbox"/> Return Receipt Postcard (MPEP 503)<br><small>(Should be specifically itemized)</small><br>15. <input checked="" type="checkbox"/> Certified Copy of Priority Document(s)<br><small>(if foreign priority is claimed)</small><br>16. <input type="checkbox"/> Nonpublication Request under 35 U.S.C. 122 (b)(2)(B)(i).<br>Applicant must attach form PTO/SB/35 or its equivalent.<br>17. <input type="checkbox"/> Other: |  |

18. If a CONTINUING APPLICATION, check appropriate box, and supply the requisite information below and in a preliminary amendment, or in an Application Data Sheet under 37 CFR 1.76:

☐ Continuation   
 ☐ Divisional   
 ☐ Continuation-in-part (CIP) of prior application No. \_\_\_\_\_

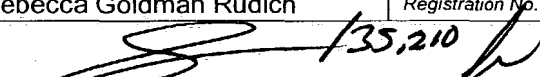
Prior application information: Examiner \_\_\_\_\_ Group / Art Unit: \_\_\_\_\_

**For CONTINUATION or DIVISIONAL APPS only:** The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 5b, is considered a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by reference. The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts.

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| <b>19. CORRESPONDENCE ADDRESS</b>                          |  |                                 |   |                           |  |
| <input type="checkbox"/> Customer Number or Bar Code Label |  |                                 | or <input checked="" type="checkbox"/> Correspondence address below |                           |  |
| <b>Name</b> MCKENNA LONG & ALDRIDGE LLP<br>Song K. Jung    |  |                                 |   |                           |  |
| <b>Address</b> 1900 K Street, N.W.                         |  |                                 |   |                           |  |
| <b>City</b> Washington                                     |  | <b>State</b> DC                 |   | <b>Zip Code</b> 20006     |  |
| <b>Country</b> USA   |  | <b>Telephone</b> (202) 496-7500 |   | <b>Fax</b> (202) 496-7756 |  |

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|--|--|---|--|
| <b>Name (Print/Type)</b> Rebecca Goldman Rudich  |  | <b>Registration No. (Attorney/Agent)</b> 41,786 |  |
| <b>Signature</b>  |  | <b>Date</b> June 30, 2003                       |  |

21910 U.S. PTO  
 10/607983  
 06/30/03

16179 U.S. PTO  
06/30/03

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PTO/SB/17 (01-03)

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|---|--|--|--|--------------------------|--|----------------------|--|
| <h2 style="margin: 0;">FEE TRANSMITTAL</h2> <h3 style="margin: 0;">for FY 2003</h3> <p style="margin: 0; font-size: small;">Patent fees are subject to annual revision.</p> |  |  |  | <b>Complete if Known</b> |  |                      |  |
| <input type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27  |  |  |  | Application Number       |  | TBA                  |  |
|   |  |  |  | Filing Date              |  | June 30, 2003        |  |
|   |  |  |  | First Named Inventor     |  | Jong Jin PARK et al. |  |
|   |  |  |  | Examiner Name            |  | TBA                  |  |
| <b>TOTAL AMOUNT OF PAYMENT</b> (\$) 790.00  |  |  |  | Group Art Unit           |  | TBA                  |  |
|   |  |  |  | Attorney Docket No.      |  | 8733.890.00          |  |

| <b>METHOD OF PAYMENT</b> (check all that apply)  |          |              |          | <b>FEE CALCULATION</b> (continued)   |          |  |  |              |  |              |  |                 |          |          |          |          |          |      |     |      |    |                                     |  |      |    |      |    |  |  |      |     |      |     |                           |  |      |       |      |       |  |  |      |      |      |      |  |  |      |        |      |        |   |  |      |     |      |    |  |  |      |     |      |     |   |  |      |     |      |     |  |  |      |       |      |     |   |  |      |       |      |     |  |  |      |     |      |     |                  |  |      |     |      |     |  |  |      |     |      |     |                          |  |      |       |      |       |   |  |      |     |      |    |                                  |  |      |       |      |     |                                    |  |      |       |      |     |                                |  |      |     |      |     |                  |  |      |     |      |     |                 |  |      |     |      |     |                               |  |      |    |      |    |                                     |  |      |     |      |     |   |  |      |    |      |    |  |       |      |     |      |     |   |  |      |     |      |     |   |  |      |     |      |     |   |  |      |     |      |     |   |  |                          |  |  |  |  |  |                                   |  |  |  |                                |  |
|--|----------|--------------|----------|--|----------|--|--|--------------|--|--------------|--|-----------------|----------|----------|----------|----------|----------|------|-----|------|----|-------------------------------------|--|------|----|------|----|--|--|------|-----|------|-----|---------------------------|--|------|-------|------|-------|--|--|------|------|------|------|--|--|------|--------|------|--------|---|--|------|-----|------|----|--|--|------|-----|------|-----|---|--|------|-----|------|-----|--|--|------|-------|------|-----|---|--|------|-------|------|-----|--|--|------|-----|------|-----|------------------|--|------|-----|------|-----|--|--|------|-----|------|-----|--------------------------|--|------|-------|------|-------|---|--|------|-----|------|----|----------------------------------|--|------|-------|------|-----|------------------------------------|--|------|-------|------|-----|--------------------------------|--|------|-----|------|-----|------------------|--|------|-----|------|-----|-----------------|--|------|-----|------|-----|-------------------------------|--|------|----|------|----|-------------------------------------|--|------|-----|------|-----|---|--|------|----|------|----|--|-------|------|-----|------|-----|---|--|------|-----|------|-----|---|--|------|-----|------|-----|---|--|------|-----|------|-----|---|--|--------------------------|--|--|--|--|--|-----------------------------------|--|--|--|--------------------------------|--|
| <input checked="" type="checkbox"/> Check <input type="checkbox"/> Credit Card <input type="checkbox"/> Money Order <input type="checkbox"/> Other <input type="checkbox"/> None<br><br><input type="checkbox"/> Deposit Account<br>Deposit Account Number: 50-0911<br>Deposit Account Name: McKenna Long & Aldridge LLP<br>The Commissioner is hereby authorized to: (check all that apply)<br><input type="checkbox"/> Charge fee(s) indicated below <input checked="" type="checkbox"/> Credit any overpayments<br><input checked="" type="checkbox"/> Charge any additional fee(s) during the pendency of this application<br><input type="checkbox"/> Charge fee(s) indicated below, except for the filing fee to the above-identified deposit account. |          |              |          | <b>3. ADDITIONAL FEES</b><br><br><table style="width:100%; font-size: x-small;"> <thead> <tr> <th colspan="2">Large Entity</th> <th colspan="2">Small Entity</th> <th rowspan="2">Fee Description</th> <th rowspan="2">Fee Paid</th> </tr> <tr> <th>Fee Code</th> <th>Fee (\$)</th> <th>Fee Code</th> <th>Fee (\$)</th> </tr> </thead> <tbody> <tr><td>1051</td><td>130</td><td>2051</td><td>65</td><td>Surcharge - late filing fee or oath</td><td></td></tr> <tr><td>1052</td><td>50</td><td>2052</td><td>25</td><td>Surcharge - late provisional filing fee or cover sheet</td><td></td></tr> <tr><td>1053</td><td>130</td><td>1053</td><td>130</td><td>Non-English specification</td><td></td></tr> <tr><td>1812</td><td>2,520</td><td>1812</td><td>2,520</td><td>For filing a request for <i>ex parte</i> reexamination</td><td></td></tr> <tr><td>1804</td><td>920*</td><td>1804</td><td>920*</td><td>Requesting publication of SIR prior to Examiner action</td><td></td></tr> <tr><td>1805</td><td>1,840*</td><td>1805</td><td>1,840*</td><td>Requesting publication of SIR after Examiner action</td><td></td></tr> <tr><td>1251</td><td>110</td><td>2251</td><td>55</td><td>Extension for reply within first month</td><td></td></tr> <tr><td>1252</td><td>410</td><td>2252</td><td>205</td><td>Extension for reply within second month</td><td></td></tr> <tr><td>1253</td><td>930</td><td>2253</td><td>465</td><td>Extension for reply within third month</td><td></td></tr> <tr><td>1254</td><td>1,450</td><td>2254</td><td>725</td><td>Extension for reply within fourth month</td><td></td></tr> <tr><td>1255</td><td>1,970</td><td>2255</td><td>985</td><td>Extension for reply within fifth month</td><td></td></tr> <tr><td>1401</td><td>320</td><td>2401</td><td>160</td><td>Notice of Appeal</td><td></td></tr> <tr><td>1402</td><td>320</td><td>2402</td><td>160</td><td>Filing a brief in support of an appeal</td><td></td></tr> <tr><td>1403</td><td>280</td><td>2403</td><td>140</td><td>Request for oral hearing</td><td></td></tr> <tr><td>1451</td><td>1,510</td><td>1451</td><td>1,510</td><td>Petition to institute a public use proceeding</td><td></td></tr> <tr><td>1452</td><td>110</td><td>2452</td><td>55</td><td>Petition to revive - unavoidable</td><td></td></tr> <tr><td>1453</td><td>1,300</td><td>2453</td><td>650</td><td>Petition to revive - unintentional</td><td></td></tr> <tr><td>1501</td><td>1,300</td><td>2501</td><td>650</td><td>Utility issue fee (or reissue)</td><td></td></tr> <tr><td>1502</td><td>470</td><td>2502</td><td>235</td><td>Design issue fee</td><td></td></tr> <tr><td>1503</td><td>630</td><td>2503</td><td>315</td><td>Plant issue fee</td><td></td></tr> <tr><td>1460</td><td>130</td><td>1460</td><td>130</td><td>Petitions to the Commissioner</td><td></td></tr> <tr><td>1807</td><td>50</td><td>1807</td><td>50</td><td>Processing fee under 37 CFR 1.17(q)</td><td></td></tr> <tr><td>1806</td><td>180</td><td>1806</td><td>180</td><td>Submission of Information Disclosure Stmt</td><td></td></tr> <tr><td>8021</td><td>40</td><td>8021</td><td>40</td><td>Recording each patent assignment per property (times number of properties)</td><td>40.00</td></tr> <tr><td>1809</td><td>750</td><td>2809</td><td>375</td><td>Filing a submission after final rejection (37 CFR 1.129(a))</td><td></td></tr> <tr><td>1810</td><td>750</td><td>2810</td><td>375</td><td>For each additional invention to be examined (37CFR 1.129(b))</td><td></td></tr> <tr><td>1801</td><td>750</td><td>2801</td><td>375</td><td>Request for Continued Examination (RCE)</td><td></td></tr> <tr><td>1802</td><td>900</td><td>1802</td><td>900</td><td>Request for expedited examination of a design application</td><td></td></tr> <tr><td colspan="6">Other fee (specify) 1504</td></tr> <tr> <td colspan="4">*Reduced by Basic Filing Fee Paid</td> <td colspan="2"> <b>SUBTOTAL (3)</b>      (\$) 40.00         </td> </tr> </tbody> </table> |          |  |  | Large Entity |  | Small Entity |  | Fee Description | Fee Paid | Fee Code | Fee (\$) | Fee Code | Fee (\$) | 1051 | 130 | 2051 | 65 | Surcharge - late filing fee or oath |  | 1052 | 50 | 2052 | 25 | Surcharge - late provisional filing fee or cover sheet |  | 1053 | 130 | 1053 | 130 | Non-English specification |  | 1812 | 2,520 | 1812 | 2,520 | For filing a request for <i>ex parte</i> reexamination |  | 1804 | 920* | 1804 | 920* | Requesting publication of SIR prior to Examiner action |  | 1805 | 1,840* | 1805 | 1,840* | Requesting publication of SIR after Examiner action |  | 1251 | 110 | 2251 | 55 | Extension for reply within first month |  | 1252 | 410 | 2252 | 205 | Extension for reply within second month |  | 1253 | 930 | 2253 | 465 | Extension for reply within third month |  | 1254 | 1,450 | 2254 | 725 | Extension for reply within fourth month |  | 1255 | 1,970 | 2255 | 985 | Extension for reply within fifth month |  | 1401 | 320 | 2401 | 160 | Notice of Appeal |  | 1402 | 320 | 2402 | 160 | Filing a brief in support of an appeal |  | 1403 | 280 | 2403 | 140 | Request for oral hearing |  | 1451 | 1,510 | 1451 | 1,510 | Petition to institute a public use proceeding |  | 1452 | 110 | 2452 | 55 | Petition to revive - unavoidable |  | 1453 | 1,300 | 2453 | 650 | Petition to revive - unintentional |  | 1501 | 1,300 | 2501 | 650 | Utility issue fee (or reissue) |  | 1502 | 470 | 2502 | 235 | Design issue fee |  | 1503 | 630 | 2503 | 315 | Plant issue fee |  | 1460 | 130 | 1460 | 130 | Petitions to the Commissioner |  | 1807 | 50 | 1807 | 50 | Processing fee under 37 CFR 1.17(q) |  | 1806 | 180 | 1806 | 180 | Submission of Information Disclosure Stmt |  | 8021 | 40 | 8021 | 40 | Recording each patent assignment per property (times number of properties) | 40.00 | 1809 | 750 | 2809 | 375 | Filing a submission after final rejection (37 CFR 1.129(a)) |  | 1810 | 750 | 2810 | 375 | For each additional invention to be examined (37CFR 1.129(b)) |  | 1801 | 750 | 2801 | 375 | Request for Continued Examination (RCE) |  | 1802 | 900 | 1802 | 900 | Request for expedited examination of a design application |  | Other fee (specify) 1504 |  |  |  |  |  | *Reduced by Basic Filing Fee Paid |  |  |  | <b>SUBTOTAL (3)</b> (\$) 40.00 |  |
| Large Entity   |          | Small Entity |          | Fee Description  | Fee Paid |  |  |              |  |              |  |                 |          |          |          |          |          |      |     |      |    |                                     |  |      |    |      |    |  |  |      |     |      |     |                           |  |      |       |      |       |  |  |      |      |      |      |  |  |      |        |      |        |   |  |      |     |      |    |  |  |      |     |      |     |   |  |      |     |      |     |  |  |      |       |      |     |   |  |      |       |      |     |  |  |      |     |      |     |                  |  |      |     |      |     |  |  |      |     |      |     |                          |  |      |       |      |       |   |  |      |     |      |    |                                  |  |      |       |      |     |                                    |  |      |       |      |     |                                |  |      |     |      |     |                  |  |      |     |      |     |                 |  |      |     |      |     |                               |  |      |    |      |    |                                     |  |      |     |      |     |   |  |      |    |      |    |  |       |      |     |      |     |   |  |      |     |      |     |   |  |      |     |      |     |   |  |      |     |      |     |   |  |                          |  |  |  |  |  |                                   |  |  |  |                                |  |
| Fee Code   | Fee (\$) | Fee Code     | Fee (\$) |  |          |  |  |              |  |              |  |                 |          |          |          |          |          |      |     |      |    |                                     |  |      |    |      |    |  |  |      |     |      |     |                           |  |      |       |      |       |  |  |      |      |      |      |  |  |      |        |      |        |   |  |      |     |      |    |  |  |      |     |      |     |   |  |      |     |      |     |  |  |      |       |      |     |   |  |      |       |      |     |  |  |      |     |      |     |                  |  |      |     |      |     |  |  |      |     |      |     |                          |  |      |       |      |       |   |  |      |     |      |    |                                  |  |      |       |      |     |                                    |  |      |       |      |     |                                |  |      |     |      |     |                  |  |      |     |      |     |                 |  |      |     |      |     |                               |  |      |    |      |    |                                     |  |      |     |      |     |   |  |      |    |      |    |  |       |      |     |      |     |   |  |      |     |      |     |   |  |      |     |      |     |   |  |      |     |      |     |   |  |                          |  |  |  |  |  |                                   |  |  |  |                                |  |
| 1051   | 130      | 2051         | 65       | Surcharge - late filing fee or oath  |          |  |  |              |  |              |  |                 |          |          |          |          |          |      |     |      |    |                                     |  |      |    |      |    |  |  |      |     |      |     |                           |  |      |       |      |       |  |  |      |      |      |      |  |  |      |        |      |        |   |  |      |     |      |    |  |  |      |     |      |     |   |  |      |     |      |     |  |  |      |       |      |     |   |  |      |       |      |     |  |  |      |     |      |     |                  |  |      |     |      |     |  |  |      |     |      |     |                          |  |      |       |      |       |   |  |      |     |      |    |                                  |  |      |       |      |     |                                    |  |      |       |      |     |                                |  |      |     |      |     |                  |  |      |     |      |     |                 |  |      |     |      |     |                               |  |      |    |      |    |                                     |  |      |     |      |     |   |  |      |    |      |    |  |       |      |     |      |     |   |  |      |     |      |     |   |  |      |     |      |     |   |  |      |     |      |     |   |  |                          |  |  |  |  |  |                                   |  |  |  |                                |  |
| 1052   | 50       | 2052         | 25       | Surcharge - late provisional filing fee or cover sheet   |          |  |  |              |  |              |  |                 |          |          |          |          |          |      |     |      |    |                                     |  |      |    |      |    |  |  |      |     |      |     |                           |  |      |       |      |       |  |  |      |      |      |      |  |  |      |        |      |        |   |  |      |     |      |    |  |  |      |     |      |     |   |  |      |     |      |     |  |  |      |       |      |     |   |  |      |       |      |     |  |  |      |     |      |     |                  |  |      |     |      |     |  |  |      |     |      |     |                          |  |      |       |      |       |   |  |      |     |      |    |                                  |  |      |       |      |     |                                    |  |      |       |      |     |                                |  |      |     |      |     |                  |  |      |     |      |     |                 |  |      |     |      |     |                               |  |      |    |      |    |                                     |  |      |     |      |     |   |  |      |    |      |    |  |       |      |     |      |     |   |  |      |     |      |     |   |  |      |     |      |     |   |  |      |     |      |     |   |  |                          |  |  |  |  |  |                                   |  |  |  |                                |  |
| 1053   | 130      | 1053         | 130      | Non-English specification  |          |  |  |              |  |              |  |                 |          |          |          |          |          |      |     |      |    |                                     |  |      |    |      |    |  |  |      |     |      |     |                           |  |      |       |      |       |  |  |      |      |      |      |  |  |      |        |      |        |   |  |      |     |      |    |  |  |      |     |      |     |   |  |      |     |      |     |  |  |      |       |      |     |   |  |      |       |      |     |  |  |      |     |      |     |                  |  |      |     |      |     |  |  |      |     |      |     |                          |  |      |       |      |       |   |  |      |     |      |    |                                  |  |      |       |      |     |                                    |  |      |       |      |     |                                |  |      |     |      |     |                  |  |      |     |      |     |                 |  |      |     |      |     |                               |  |      |    |      |    |                                     |  |      |     |      |     |   |  |      |    |      |    |  |       |      |     |      |     |   |  |      |     |      |     |   |  |      |     |      |     |   |  |      |     |      |     |   |  |                          |  |  |  |  |  |                                   |  |  |  |                                |  |
| 1812   | 2,520    | 1812         | 2,520    | For filing a request for <i>ex parte</i> reexamination   |          |  |  |              |  |              |  |                 |          |          |          |          |          |      |     |      |    |                                     |  |      |    |      |    |  |  |      |     |      |     |                           |  |      |       |      |       |  |  |      |      |      |      |  |  |      |        |      |        |   |  |      |     |      |    |  |  |      |     |      |     |   |  |      |     |      |     |  |  |      |       |      |     |   |  |      |       |      |     |  |  |      |     |      |     |                  |  |      |     |      |     |  |  |      |     |      |     |                          |  |      |       |      |       |   |  |      |     |      |    |                                  |  |      |       |      |     |                                    |  |      |       |      |     |                                |  |      |     |      |     |                  |  |      |     |      |     |                 |  |      |     |      |     |                               |  |      |    |      |    |                                     |  |      |     |      |     |   |  |      |    |      |    |  |       |      |     |      |     |   |  |      |     |      |     |   |  |      |     |      |     |   |  |      |     |      |     |   |  |                          |  |  |  |  |  |                                   |  |  |  |                                |  |
| 1804   | 920*     | 1804         | 920*     | Requesting publication of SIR prior to Examiner action   |          |  |  |              |  |              |  |                 |          |          |          |          |          |      |     |      |    |                                     |  |      |    |      |    |  |  |      |     |      |     |                           |  |      |       |      |       |  |  |      |      |      |      |  |  |      |        |      |        |   |  |      |     |      |    |  |  |      |     |      |     |   |  |      |     |      |     |  |  |      |       |      |     |   |  |      |       |      |     |  |  |      |     |      |     |                  |  |      |     |      |     |  |  |      |     |      |     |                          |  |      |       |      |       |   |  |      |     |      |    |                                  |  |      |       |      |     |                                    |  |      |       |      |     |                                |  |      |     |      |     |                  |  |      |     |      |     |                 |  |      |     |      |     |                               |  |      |    |      |    |                                     |  |      |     |      |     |   |  |      |    |      |    |  |       |      |     |      |     |   |  |      |     |      |     |   |  |      |     |      |     |   |  |      |     |      |     |   |  |                          |  |  |  |  |  |                                   |  |  |  |                                |  |
| 1805   | 1,840*   | 1805         | 1,840*   | Requesting publication of SIR after Examiner action  |          |  |  |              |  |              |  |                 |          |          |          |          |          |      |     |      |    |                                     |  |      |    |      |    |  |  |      |     |      |     |                           |  |      |       |      |       |  |  |      |      |      |      |  |  |      |        |      |        |   |  |      |     |      |    |  |  |      |     |      |     |   |  |      |     |      |     |  |  |      |       |      |     |   |  |      |       |      |     |  |  |      |     |      |     |                  |  |      |     |      |     |  |  |      |     |      |     |                          |  |      |       |      |       |   |  |      |     |      |    |                                  |  |      |       |      |     |                                    |  |      |       |      |     |                                |  |      |     |      |     |                  |  |      |     |      |     |                 |  |      |     |      |     |                               |  |      |    |      |    |                                     |  |      |     |      |     |   |  |      |    |      |    |  |       |      |     |      |     |   |  |      |     |      |     |   |  |      |     |      |     |   |  |      |     |      |     |   |  |                          |  |  |  |  |  |                                   |  |  |  |                                |  |
| 1251   | 110      | 2251         | 55       | Extension for reply within first month   |          |  |  |              |  |              |  |                 |          |          |          |          |          |      |     |      |    |                                     |  |      |    |      |    |  |  |      |     |      |     |                           |  |      |       |      |       |  |  |      |      |      |      |  |  |      |        |      |        |   |  |      |     |      |    |  |  |      |     |      |     |   |  |      |     |      |     |  |  |      |       |      |     |   |  |      |       |      |     |  |  |      |     |      |     |                  |  |      |     |      |     |  |  |      |     |      |     |                          |  |      |       |      |       |   |  |      |     |      |    |                                  |  |      |       |      |     |                                    |  |      |       |      |     |                                |  |      |     |      |     |                  |  |      |     |      |     |                 |  |      |     |      |     |                               |  |      |    |      |    |                                     |  |      |     |      |     |   |  |      |    |      |    |  |       |      |     |      |     |   |  |      |     |      |     |   |  |      |     |      |     |   |  |      |     |      |     |   |  |                          |  |  |  |  |  |                                   |  |  |  |                                |  |
| 1252   | 410      | 2252         | 205      | Extension for reply within second month  |          |  |  |              |  |              |  |                 |          |          |          |          |          |      |     |      |    |                                     |  |      |    |      |    |  |  |      |     |      |     |                           |  |      |       |      |       |  |  |      |      |      |      |  |  |      |        |      |        |   |  |      |     |      |    |  |  |      |     |      |     |   |  |      |     |      |     |  |  |      |       |      |     |   |  |      |       |      |     |  |  |      |     |      |     |                  |  |      |     |      |     |  |  |      |     |      |     |                          |  |      |       |      |       |   |  |      |     |      |    |                                  |  |      |       |      |     |                                    |  |      |       |      |     |                                |  |      |     |      |     |                  |  |      |     |      |     |                 |  |      |     |      |     |                               |  |      |    |      |    |                                     |  |      |     |      |     |   |  |      |    |      |    |  |       |      |     |      |     |   |  |      |     |      |     |   |  |      |     |      |     |   |  |      |     |      |     |   |  |                          |  |  |  |  |  |                                   |  |  |  |                                |  |
| 1253   | 930      | 2253         | 465      | Extension for reply within third month   |          |  |  |              |  |              |  |                 |          |          |          |          |          |      |     |      |    |                                     |  |      |    |      |    |  |  |      |     |      |     |                           |  |      |       |      |       |  |  |      |      |      |      |  |  |      |        |      |        |   |  |      |     |      |    |  |  |      |     |      |     |   |  |      |     |      |     |  |  |      |       |      |     |   |  |      |       |      |     |  |  |      |     |      |     |                  |  |      |     |      |     |  |  |      |     |      |     |                          |  |      |       |      |       |   |  |      |     |      |    |                                  |  |      |       |      |     |                                    |  |      |       |      |     |                                |  |      |     |      |     |                  |  |      |     |      |     |                 |  |      |     |      |     |                               |  |      |    |      |    |                                     |  |      |     |      |     |   |  |      |    |      |    |  |       |      |     |      |     |   |  |      |     |      |     |   |  |      |     |      |     |   |  |      |     |      |     |   |  |                          |  |  |  |  |  |                                   |  |  |  |                                |  |
| 1254   | 1,450    | 2254         | 725      | Extension for reply within fourth month  |          |  |  |              |  |              |  |                 |          |          |          |          |          |      |     |      |    |                                     |  |      |    |      |    |  |  |      |     |      |     |                           |  |      |       |      |       |  |  |      |      |      |      |  |  |      |        |      |        |   |  |      |     |      |    |  |  |      |     |      |     |   |  |      |     |      |     |  |  |      |       |      |     |   |  |      |       |      |     |  |  |      |     |      |     |                  |  |      |     |      |     |  |  |      |     |      |     |                          |  |      |       |      |       |   |  |      |     |      |    |                                  |  |      |       |      |     |                                    |  |      |       |      |     |                                |  |      |     |      |     |                  |  |      |     |      |     |                 |  |      |     |      |     |                               |  |      |    |      |    |                                     |  |      |     |      |     |   |  |      |    |      |    |  |       |      |     |      |     |   |  |      |     |      |     |   |  |      |     |      |     |   |  |      |     |      |     |   |  |                          |  |  |  |  |  |                                   |  |  |  |                                |  |
| 1255   | 1,970    | 2255         | 985      | Extension for reply within fifth month   |          |  |  |              |  |              |  |                 |          |          |          |          |          |      |     |      |    |                                     |  |      |    |      |    |  |  |      |     |      |     |                           |  |      |       |      |       |  |  |      |      |      |      |  |  |      |        |      |        |   |  |      |     |      |    |  |  |      |     |      |     |   |  |      |     |      |     |  |  |      |       |      |     |   |  |      |       |      |     |  |  |      |     |      |     |                  |  |      |     |      |     |  |  |      |     |      |     |                          |  |      |       |      |       |   |  |      |     |      |    |                                  |  |      |       |      |     |                                    |  |      |       |      |     |                                |  |      |     |      |     |                  |  |      |     |      |     |                 |  |      |     |      |     |                               |  |      |    |      |    |                                     |  |      |     |      |     |   |  |      |    |      |    |  |       |      |     |      |     |   |  |      |     |      |     |   |  |      |     |      |     |   |  |      |     |      |     |   |  |                          |  |  |  |  |  |                                   |  |  |  |                                |  |
| 1401   | 320      | 2401         | 160      | Notice of Appeal   |          |  |  |              |  |              |  |                 |          |          |          |          |          |      |     |      |    |                                     |  |      |    |      |    |  |  |      |     |      |     |                           |  |      |       |      |       |  |  |      |      |      |      |  |  |      |        |      |        |   |  |      |     |      |    |  |  |      |     |      |     |   |  |      |     |      |     |  |  |      |       |      |     |   |  |      |       |      |     |  |  |      |     |      |     |                  |  |      |     |      |     |  |  |      |     |      |     |                          |  |      |       |      |       |   |  |      |     |      |    |                                  |  |      |       |      |     |                                    |  |      |       |      |     |                                |  |      |     |      |     |                  |  |      |     |      |     |                 |  |      |     |      |     |                               |  |      |    |      |    |                                     |  |      |     |      |     |   |  |      |    |      |    |  |       |      |     |      |     |   |  |      |     |      |     |   |  |      |     |      |     |   |  |      |     |      |     |   |  |                          |  |  |  |  |  |                                   |  |  |  |                                |  |
| 1402   | 320      | 2402         | 160      | Filing a brief in support of an appeal   |          |  |  |              |  |              |  |                 |          |          |          |          |          |      |     |      |    |                                     |  |      |    |      |    |  |  |      |     |      |     |                           |  |      |       |      |       |  |  |      |      |      |      |  |  |      |        |      |        |   |  |      |     |      |    |  |  |      |     |      |     |   |  |      |     |      |     |  |  |      |       |      |     |   |  |      |       |      |     |  |  |      |     |      |     |                  |  |      |     |      |     |  |  |      |     |      |     |                          |  |      |       |      |       |   |  |      |     |      |    |                                  |  |      |       |      |     |                                    |  |      |       |      |     |                                |  |      |     |      |     |                  |  |      |     |      |     |                 |  |      |     |      |     |                               |  |      |    |      |    |                                     |  |      |     |      |     |   |  |      |    |      |    |  |       |      |     |      |     |   |  |      |     |      |     |   |  |      |     |      |     |   |  |      |     |      |     |   |  |                          |  |  |  |  |  |                                   |  |  |  |                                |  |
| 1403   | 280      | 2403         | 140      | Request for oral hearing   |          |  |  |              |  |              |  |                 |          |          |          |          |          |      |     |      |    |                                     |  |      |    |      |    |  |  |      |     |      |     |                           |  |      |       |      |       |  |  |      |      |      |      |  |  |      |        |      |        |   |  |      |     |      |    |  |  |      |     |      |     |   |  |      |     |      |     |  |  |      |       |      |     |   |  |      |       |      |     |  |  |      |     |      |     |                  |  |      |     |      |     |  |  |      |     |      |     |                          |  |      |       |      |       |   |  |      |     |      |    |                                  |  |      |       |      |     |                                    |  |      |       |      |     |                                |  |      |     |      |     |                  |  |      |     |      |     |                 |  |      |     |      |     |                               |  |      |    |      |    |                                     |  |      |     |      |     |   |  |      |    |      |    |  |       |      |     |      |     |   |  |      |     |      |     |   |  |      |     |      |     |   |  |      |     |      |     |   |  |                          |  |  |  |  |  |                                   |  |  |  |                                |  |
| 1451   | 1,510    | 1451         | 1,510    | Petition to institute a public use proceeding  |          |  |  |              |  |              |  |                 |          |          |          |          |          |      |     |      |    |                                     |  |      |    |      |    |  |  |      |     |      |     |                           |  |      |       |      |       |  |  |      |      |      |      |  |  |      |        |      |        |   |  |      |     |      |    |  |  |      |     |      |     |   |  |      |     |      |     |  |  |      |       |      |     |   |  |      |       |      |     |  |  |      |     |      |     |                  |  |      |     |      |     |  |  |      |     |      |     |                          |  |      |       |      |       |   |  |      |     |      |    |                                  |  |      |       |      |     |                                    |  |      |       |      |     |                                |  |      |     |      |     |                  |  |      |     |      |     |                 |  |      |     |      |     |                               |  |      |    |      |    |                                     |  |      |     |      |     |   |  |      |    |      |    |  |       |      |     |      |     |   |  |      |     |      |     |   |  |      |     |      |     |   |  |      |     |      |     |   |  |                          |  |  |  |  |  |                                   |  |  |  |                                |  |
| 1452   | 110      | 2452         | 55       | Petition to revive - unavoidable   |          |  |  |              |  |              |  |                 |          |          |          |          |          |      |     |      |    |                                     |  |      |    |      |    |  |  |      |     |      |     |                           |  |      |       |      |       |  |  |      |      |      |      |  |  |      |        |      |        |   |  |      |     |      |    |  |  |      |     |      |     |   |  |      |     |      |     |  |  |      |       |      |     |   |  |      |       |      |     |  |  |      |     |      |     |                  |  |      |     |      |     |  |  |      |     |      |     |                          |  |      |       |      |       |   |  |      |     |      |    |                                  |  |      |       |      |     |                                    |  |      |       |      |     |                                |  |      |     |      |     |                  |  |      |     |      |     |                 |  |      |     |      |     |                               |  |      |    |      |    |                                     |  |      |     |      |     |   |  |      |    |      |    |  |       |      |     |      |     |   |  |      |     |      |     |   |  |      |     |      |     |   |  |      |     |      |     |   |  |                          |  |  |  |  |  |                                   |  |  |  |                                |  |
| 1453   | 1,300    | 2453         | 650      | Petition to revive - unintentional   |          |  |  |              |  |              |  |                 |          |          |          |          |          |      |     |      |    |                                     |  |      |    |      |    |  |  |      |     |      |     |                           |  |      |       |      |       |  |  |      |      |      |      |  |  |      |        |      |        |   |  |      |     |      |    |  |  |      |     |      |     |   |  |      |     |      |     |  |  |      |       |      |     |   |  |      |       |      |     |  |  |      |     |      |     |                  |  |      |     |      |     |  |  |      |     |      |     |                          |  |      |       |      |       |   |  |      |     |      |    |                                  |  |      |       |      |     |                                    |  |      |       |      |     |                                |  |      |     |      |     |                  |  |      |     |      |     |                 |  |      |     |      |     |                               |  |      |    |      |    |                                     |  |      |     |      |     |   |  |      |    |      |    |  |       |      |     |      |     |   |  |      |     |      |     |   |  |      |     |      |     |   |  |      |     |      |     |   |  |                          |  |  |  |  |  |                                   |  |  |  |                                |  |
| 1501   | 1,300    | 2501         | 650      | Utility issue fee (or reissue)   |          |  |  |              |  |              |  |                 |          |          |          |          |          |      |     |      |    |                                     |  |      |    |      |    |  |  |      |     |      |     |                           |  |      |       |      |       |  |  |      |      |      |      |  |  |      |        |      |        |   |  |      |     |      |    |  |  |      |     |      |     |   |  |      |     |      |     |  |  |      |       |      |     |   |  |      |       |      |     |  |  |      |     |      |     |                  |  |      |     |      |     |  |  |      |     |      |     |                          |  |      |       |      |       |   |  |      |     |      |    |                                  |  |      |       |      |     |                                    |  |      |       |      |     |                                |  |      |     |      |     |                  |  |      |     |      |     |                 |  |      |     |      |     |                               |  |      |    |      |    |                                     |  |      |     |      |     |   |  |      |    |      |    |  |       |      |     |      |     |   |  |      |     |      |     |   |  |      |     |      |     |   |  |      |     |      |     |   |  |                          |  |  |  |  |  |                                   |  |  |  |                                |  |
| 1502   | 470      | 2502         | 235      | Design issue fee   |          |  |  |              |  |              |  |                 |          |          |          |          |          |      |     |      |    |                                     |  |      |    |      |    |  |  |      |     |      |     |                           |  |      |       |      |       |  |  |      |      |      |      |  |  |      |        |      |        |   |  |      |     |      |    |  |  |      |     |      |     |   |  |      |     |      |     |  |  |      |       |      |     |   |  |      |       |      |     |  |  |      |     |      |     |                  |  |      |     |      |     |  |  |      |     |      |     |                          |  |      |       |      |       |   |  |      |     |      |    |                                  |  |      |       |      |     |                                    |  |      |       |      |     |                                |  |      |     |      |     |                  |  |      |     |      |     |                 |  |      |     |      |     |                               |  |      |    |      |    |                                     |  |      |     |      |     |   |  |      |    |      |    |  |       |      |     |      |     |   |  |      |     |      |     |   |  |      |     |      |     |   |  |      |     |      |     |   |  |                          |  |  |  |  |  |                                   |  |  |  |                                |  |
| 1503   | 630      | 2503         | 315      | Plant issue fee  |          |  |  |              |  |              |  |                 |          |          |          |          |          |      |     |      |    |                                     |  |      |    |      |    |  |  |      |     |      |     |                           |  |      |       |      |       |  |  |      |      |      |      |  |  |      |        |      |        |   |  |      |     |      |    |  |  |      |     |      |     |   |  |      |     |      |     |  |  |      |       |      |     |   |  |      |       |      |     |  |  |      |     |      |     |                  |  |      |     |      |     |  |  |      |     |      |     |                          |  |      |       |      |       |   |  |      |     |      |    |                                  |  |      |       |      |     |                                    |  |      |       |      |     |                                |  |      |     |      |     |                  |  |      |     |      |     |                 |  |      |     |      |     |                               |  |      |    |      |    |                                     |  |      |     |      |     |   |  |      |    |      |    |  |       |      |     |      |     |   |  |      |     |      |     |   |  |      |     |      |     |   |  |      |     |      |     |   |  |                          |  |  |  |  |  |                                   |  |  |  |                                |  |
| 1460   | 130      | 1460         | 130      | Petitions to the Commissioner  |          |  |  |              |  |              |  |                 |          |          |          |          |          |      |     |      |    |                                     |  |      |    |      |    |  |  |      |     |      |     |                           |  |      |       |      |       |  |  |      |      |      |      |  |  |      |        |      |        |   |  |      |     |      |    |  |  |      |     |      |     |   |  |      |     |      |     |  |  |      |       |      |     |   |  |      |       |      |     |  |  |      |     |      |     |                  |  |      |     |      |     |  |  |      |     |      |     |                          |  |      |       |      |       |   |  |      |     |      |    |                                  |  |      |       |      |     |                                    |  |      |       |      |     |                                |  |      |     |      |     |                  |  |      |     |      |     |                 |  |      |     |      |     |                               |  |      |    |      |    |                                     |  |      |     |      |     |   |  |      |    |      |    |  |       |      |     |      |     |   |  |      |     |      |     |   |  |      |     |      |     |   |  |      |     |      |     |   |  |                          |  |  |  |  |  |                                   |  |  |  |                                |  |
| 1807   | 50       | 1807         | 50       | Processing fee under 37 CFR 1.17(q)  |          |  |  |              |  |              |  |                 |          |          |          |          |          |      |     |      |    |                                     |  |      |    |      |    |  |  |      |     |      |     |                           |  |      |       |      |       |  |  |      |      |      |      |  |  |      |        |      |        |   |  |      |     |      |    |  |  |      |     |      |     |   |  |      |     |      |     |  |  |      |       |      |     |   |  |      |       |      |     |  |  |      |     |      |     |                  |  |      |     |      |     |  |  |      |     |      |     |                          |  |      |       |      |       |   |  |      |     |      |    |                                  |  |      |       |      |     |                                    |  |      |       |      |     |                                |  |      |     |      |     |                  |  |      |     |      |     |                 |  |      |     |      |     |                               |  |      |    |      |    |                                     |  |      |     |      |     |   |  |      |    |      |    |  |       |      |     |      |     |   |  |      |     |      |     |   |  |      |     |      |     |   |  |      |     |      |     |   |  |                          |  |  |  |  |  |                                   |  |  |  |                                |  |
| 1806   | 180      | 1806         | 180      | Submission of Information Disclosure Stmt  |          |  |  |              |  |              |  |                 |          |          |          |          |          |      |     |      |    |                                     |  |      |    |      |    |  |  |      |     |      |     |                           |  |      |       |      |       |  |  |      |      |      |      |  |  |      |        |      |        |   |  |      |     |      |    |  |  |      |     |      |     |   |  |      |     |      |     |  |  |      |       |      |     |   |  |      |       |      |     |  |  |      |     |      |     |                  |  |      |     |      |     |  |  |      |     |      |     |                          |  |      |       |      |       |   |  |      |     |      |    |                                  |  |      |       |      |     |                                    |  |      |       |      |     |                                |  |      |     |      |     |                  |  |      |     |      |     |                 |  |      |     |      |     |                               |  |      |    |      |    |                                     |  |      |     |      |     |   |  |      |    |      |    |  |       |      |     |      |     |   |  |      |     |      |     |   |  |      |     |      |     |   |  |      |     |      |     |   |  |                          |  |  |  |  |  |                                   |  |  |  |                                |  |
| 8021   | 40       | 8021         | 40       | Recording each patent assignment per property (times number of properties)   | 40.00    |  |  |              |  |              |  |                 |          |          |          |          |          |      |     |      |    |                                     |  |      |    |      |    |  |  |      |     |      |     |                           |  |      |       |      |       |  |  |      |      |      |      |  |  |      |        |      |        |   |  |      |     |      |    |  |  |      |     |      |     |   |  |      |     |      |     |  |  |      |       |      |     |   |  |      |       |      |     |  |  |      |     |      |     |                  |  |      |     |      |     |  |  |      |     |      |     |                          |  |      |       |      |       |   |  |      |     |      |    |                                  |  |      |       |      |     |                                    |  |      |       |      |     |                                |  |      |     |      |     |                  |  |      |     |      |     |                 |  |      |     |      |     |                               |  |      |    |      |    |                                     |  |      |     |      |     |   |  |      |    |      |    |  |       |      |     |      |     |   |  |      |     |      |     |   |  |      |     |      |     |   |  |      |     |      |     |   |  |                          |  |  |  |  |  |                                   |  |  |  |                                |  |
| 1809   | 750      | 2809         | 375      | Filing a submission after final rejection (37 CFR 1.129(a))  |          |  |  |              |  |              |  |                 |          |          |          |          |          |      |     |      |    |                                     |  |      |    |      |    |  |  |      |     |      |     |                           |  |      |       |      |       |  |  |      |      |      |      |  |  |      |        |      |        |   |  |      |     |      |    |  |  |      |     |      |     |   |  |      |     |      |     |  |  |      |       |      |     |   |  |      |       |      |     |  |  |      |     |      |     |                  |  |      |     |      |     |  |  |      |     |      |     |                          |  |      |       |      |       |   |  |      |     |      |    |                                  |  |      |       |      |     |                                    |  |      |       |      |     |                                |  |      |     |      |     |                  |  |      |     |      |     |                 |  |      |     |      |     |                               |  |      |    |      |    |                                     |  |      |     |      |     |   |  |      |    |      |    |  |       |      |     |      |     |   |  |      |     |      |     |   |  |      |     |      |     |   |  |      |     |      |     |   |  |                          |  |  |  |  |  |                                   |  |  |  |                                |  |
| 1810   | 750      | 2810         | 375      | For each additional invention to be examined (37CFR 1.129(b))  |          |  |  |              |  |              |  |                 |          |          |          |          |          |      |     |      |    |                                     |  |      |    |      |    |  |  |      |     |      |     |                           |  |      |       |      |       |  |  |      |      |      |      |  |  |      |        |      |        |   |  |      |     |      |    |  |  |      |     |      |     |   |  |      |     |      |     |  |  |      |       |      |     |   |  |      |       |      |     |  |  |      |     |      |     |                  |  |      |     |      |     |  |  |      |     |      |     |                          |  |      |       |      |       |   |  |      |     |      |    |                                  |  |      |       |      |     |                                    |  |      |       |      |     |                                |  |      |     |      |     |                  |  |      |     |      |     |                 |  |      |     |      |     |                               |  |      |    |      |    |                                     |  |      |     |      |     |   |  |      |    |      |    |  |       |      |     |      |     |   |  |      |     |      |     |   |  |      |     |      |     |   |  |      |     |      |     |   |  |                          |  |  |  |  |  |                                   |  |  |  |                                |  |
| 1801   | 750      | 2801         | 375      | Request for Continued Examination (RCE)  |          |  |  |              |  |              |  |                 |          |          |          |          |          |      |     |      |    |                                     |  |      |    |      |    |  |  |      |     |      |     |                           |  |      |       |      |       |  |  |      |      |      |      |  |  |      |        |      |        |   |  |      |     |      |    |  |  |      |     |      |     |   |  |      |     |      |     |  |  |      |       |      |     |   |  |      |       |      |     |  |  |      |     |      |     |                  |  |      |     |      |     |  |  |      |     |      |     |                          |  |      |       |      |       |   |  |      |     |      |    |                                  |  |      |       |      |     |                                    |  |      |       |      |     |                                |  |      |     |      |     |                  |  |      |     |      |     |                 |  |      |     |      |     |                               |  |      |    |      |    |                                     |  |      |     |      |     |   |  |      |    |      |    |  |       |      |     |      |     |   |  |      |     |      |     |   |  |      |     |      |     |   |  |      |     |      |     |   |  |                          |  |  |  |  |  |                                   |  |  |  |                                |  |
| 1802   | 900      | 1802         | 900      | Request for expedited examination of a design application  |          |  |  |              |  |              |  |                 |          |          |          |          |          |      |     |      |    |                                     |  |      |    |      |    |  |  |      |     |      |     |                           |  |      |       |      |       |  |  |      |      |      |      |  |  |      |        |      |        |   |  |      |     |      |    |  |  |      |     |      |     |   |  |      |     |      |     |  |  |      |       |      |     |   |  |      |       |      |     |  |  |      |     |      |     |                  |  |      |     |      |     |  |  |      |     |      |     |                          |  |      |       |      |       |   |  |      |     |      |    |                                  |  |      |       |      |     |                                    |  |      |       |      |     |                                |  |      |     |      |     |                  |  |      |     |      |     |                 |  |      |     |      |     |                               |  |      |    |      |    |                                     |  |      |     |      |     |   |  |      |    |      |    |  |       |      |     |      |     |   |  |      |     |      |     |   |  |      |     |      |     |   |  |      |     |      |     |   |  |                          |  |  |  |  |  |                                   |  |  |  |                                |  |
| Other fee (specify) 1504   |          |              |          |  |          |  |  |              |  |              |  |                 |          |          |          |          |          |      |     |      |    |                                     |  |      |    |      |    |  |  |      |     |      |     |                           |  |      |       |      |       |  |  |      |      |      |      |  |  |      |        |      |        |   |  |      |     |      |    |  |  |      |     |      |     |   |  |      |     |      |     |  |  |      |       |      |     |   |  |      |       |      |     |  |  |      |     |      |     |                  |  |      |     |      |     |  |  |      |     |      |     |                          |  |      |       |      |       |   |  |      |     |      |    |                                  |  |      |       |      |     |                                    |  |      |       |      |     |                                |  |      |     |      |     |                  |  |      |     |      |     |                 |  |      |     |      |     |                               |  |      |    |      |    |                                     |  |      |     |      |     |   |  |      |    |      |    |  |       |      |     |      |     |   |  |      |     |      |     |   |  |      |     |      |     |   |  |      |     |      |     |   |  |                          |  |  |  |  |  |                                   |  |  |  |                                |  |
| *Reduced by Basic Filing Fee Paid  |          |              |          | <b>SUBTOTAL (3)</b> (\$) 40.00   |          |  |  |              |  |              |  |                 |          |          |          |          |          |      |     |      |    |                                     |  |      |    |      |    |  |  |      |     |      |     |                           |  |      |       |      |       |  |  |      |      |      |      |  |  |      |        |      |        |   |  |      |     |      |    |  |  |      |     |      |     |   |  |      |     |      |     |  |  |      |       |      |     |   |  |      |       |      |     |  |  |      |     |      |     |                  |  |      |     |      |     |  |  |      |     |      |     |                          |  |      |       |      |       |   |  |      |     |      |    |                                  |  |      |       |      |     |                                    |  |      |       |      |     |                                |  |      |     |      |     |                  |  |      |     |      |     |                 |  |      |     |      |     |                               |  |      |    |      |    |                                     |  |      |     |      |     |   |  |      |    |      |    |  |       |      |     |      |     |   |  |      |     |      |     |   |  |      |     |      |     |   |  |      |     |      |     |   |  |                          |  |  |  |  |  |                                   |  |  |  |                                |  |

|                            |          |              |          |
|----------------------------|----------|--------------|----------|
| <b>1. BASIC FILING FEE</b> |          |              |          |
| Large Entity               |          | Small Entity |          |
| Fee Code                   | Fee (\$) | Fee Code     | Fee (\$) |
| 1001                       | 750      | 2001         | 375      |
| 1002                       | 330      | 2002         | 165      |
| 1003                       | 520      | 2003         | 260      |
| 1004                       | 750      | 2004         | 375      |
| 1005                       | 160      | 2005         | 80       |
| SUBTOTAL (1)               |          | (\$) 750.00  |          |

|   |          |              |          |
|---|----------|--------------|----------|
| <b>2. EXTRA CLAIM FEES FOR UTILITY AND REISSUE</b>  |          |              |          |
| Total Claims  | 18       | -20** =      | 0        |
| Independent Claims  | 2        | -3** =       | 0        |
| Multiple Dependent  |          |              |          |
| Extra Claims    Fee from below    Fee Paid<br>0 x    =    =<br>0 x    =    =<br>=    =    = |          |              |          |
| Large Entity  |          | Small Entity |          |
| Fee Code  | Fee (\$) | Fee Code     | Fee (\$) |
| 1202  | 18       | 2202         | 9        |
| 1201  | 84       | 2201         | 42       |
| 1203  | 280      | 2203         | 140      |
| 1204  | 84       | 2204         | 42       |
| 1205  | 18       | 2205         | 9        |
| SUBTOTAL (2)  |          | (\$) 0.00    |          |

\*\*or number previously paid, if greater; For Reissues, see above

|                     |                        |                                   |                |
|---------------------|------------------------|-----------------------------------|----------------|
| <b>SUBMITTED BY</b> |                        | <b>Complete (if applicable)</b>   |                |
| Name (Print/Type)   | Rebecca Goldman Rudich | Registration No. (Attorney/Agent) | 41,786         |
| Signature           |                        | Telephone                         | (202) 496-7463 |
|                     |                        | Date                              | June 30, 2003  |